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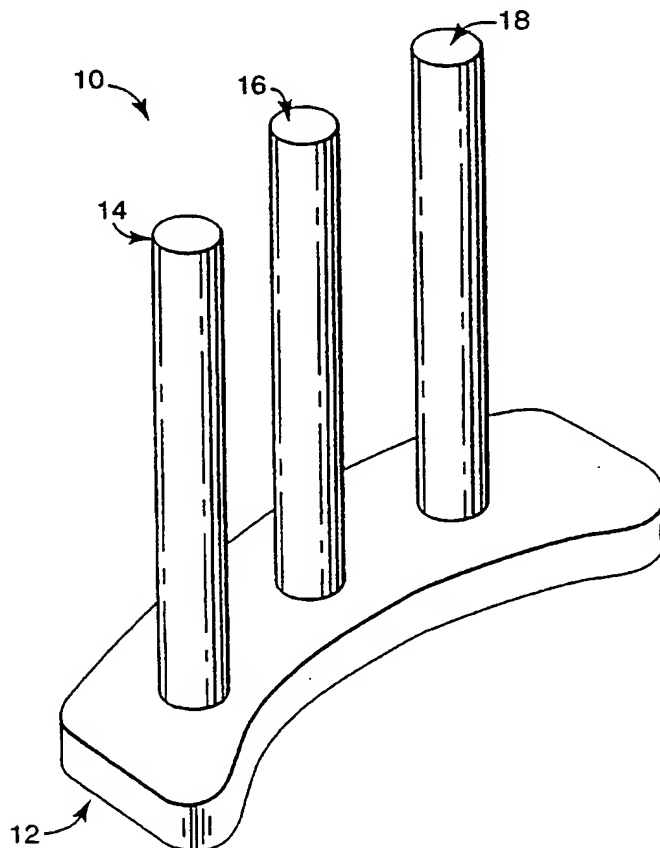
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- (71) Applicant: AMERICAN MEDICAL SYSTEMS, INC.
[US/US]; 10700 Bren Road West, Minnetonka, MN 55343 (US).
- (72) Inventors: LUND, Robert, E.: 10700 Bren Road West, Minnetonka, MN 55343 (US). NEISZ, Johann, J.: 10700 Bren Road West, Minnetonka, MN 55343 (US). WATSCHKE, Brian, P.: 10700 Bren Road West, Minnetonka, MN 55343 (US). WESTRUM, Jr., John, W.: 10700 Bren Road West, Minnetonka, MN 55343 (US).
- (74) Agent: HOHENSHELL, Jeffrey, J.: 10700 Bren Road West, Minnetonka, MN 55343 (US).
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(54) Title: SLING ADJUSTMENT AND TENSIONING ACCESSORY



(57) Abstract: An anatomical support adjustment and tension control article for use in applying a tensioning force to anatomical support material disposed therein. The tension control article preferably comprises a base member disposing a plurality of tensioning members extending therefrom. The tensioning members create a tortuous pathway thereby providing a tensioning force to anatomical support material positioned therebetween. Additionally, at least one of the plurality of tensioning members may be removed from the device to alter the supportive tension applied by the device. The anatomical support material may be disposed between the plurality of tensioning members in a number of ways, thereby resulting in varying amounts of supportive tension being applied by the device.

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 894 474 A (ISCHINGER THOMAS PROF DR) 3 February 1999 (1999-02-03) paragraph '0008! - paragraph '0012!; figures -----	1, 11

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

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Patent document cited in search report		Publication date		Patent family member(s)	Publication date
WO 9952450	A	21-10-1999	US	6106545 A	22-08-2000
			AU	3493599 A	01-11-1999
			WO	9952450 A1	21-10-1999
US 6045572	A	04-04-2000	AU	1117800 A	08-05-2000
			EP	1121058 A1	08-08-2001
			WO	0022992 A1	27-04-2000
			US	6302899 B1	16-10-2001
US 5649940	A	22-07-1997	US	5690655 A	25-11-1997
			AU	3683995 A	19-04-1996
			WO	9609797 A1	04-04-1996
EP 0894474	A	03-02-1999	EP	0894474 A1	03-02-1999